

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/050981

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G03F7/20 G02B5/30 G02B27/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B G03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 856 621 A (NATIONAL RESEARCH DEVELOPMENT CORPORATION) 21 December 1960 (1960-12-21) figure 4 page 3, line 11 - line 61 -----	1-5, 7-18, 20-31
P,X	US 6 721 258 B1 (HASHIMOTO NOBUYUKI) 13 April 2004 (2004-04-13) figure 3; example 3 column 8, line 25 - column 9, line 50	1,6-14, 19-31
X	& WO 00/79331 A (CITIZEN WATCH CO., LTD; HASHIMOTO, NOBUYUKI) 28 December 2000 (2000-12-28) figure 3 -----	1,6-14, 19-31
X	US 6 191 880 B1 (SCHUSTER KARL-HEINZ) 20 February 2001 (2001-02-20) cited in the application figures 4a,4b,4c,4d -----	1-5, 7-18, 20-31

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## ° Special categories of cited documents :

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

23 June 2005

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28/07/2005

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 856621	A	21-12-1960	NONE	
US 6721258	B1	13-04-2004	WO 0079331 A1	28-12-2000
WO 0079331	A	28-12-2000	WO 0079331 A1	28-12-2000
			US 6721258 B1	13-04-2004
US 6191880	B1	20-02-2001	DE 19535392 A1	27-03-1997
			US 2002126380 A1	12-09-2002
			US 2001012154 A1	09-08-2001
			DE 59610745 D1	06-11-2003
			EP 1343051 A1	10-09-2003
			EP 0764858 A2	26-03-1997
			JP 9184918 A	15-07-1997